

<p>94-111888/14 B04 D16 TOFU 90.10.31 TONEN CORP *JP 06038771-A 90.10.31 90JP-295017 (94.02.15) C12N 15/61, C07K 3/20, C12N 1/19, 9/90 Expression of human protein di:sulphide isomerase gene - used to prepare polypeptide in high yield C94-051516 Addnl. Data: 91.04.18 91JP-114074</p>	<p>B(4-E2E, 4-E3E, 4-L7)</p>
<p>A linked gene for the expression of human protein disulphide isomerase (hPDI) consists of a DNA coding human serum albumin prepro-sequence and hPDI gene. A replicable expression vector which can express the above linked gene in a host, a transformant prep. by transforming a host by the above expression vector, the prepn. of a recombinant hPDI in which the above linked gene is expressed in the above transformant, a recombinant hPDI prep. by the above method, a transformant contg. the linked gene and an exotic gene coding a polypeptide controlling the production are also claimed. The prepn. of a polypeptide uses the hPDI gene and the exotic gene coding the polypeptide aiming the production are co-expressed in the above transformant, and the polypeptide is recovered.</p>	<p><u>USE/ADVANTAGE</u></p> <p>The method can prepare hPDI in a large amount. A high productivity of a useful polypeptide can be attained.</p> <p><u>EXAMPLE</u></p> <p>hPDI cDNA was cloned. A yeast expression plasmid of hPDI was constructed and named pAHhPDILyl. hPDI was expressed in a yeast, AH22 by using pAHhPDILyl. A recombinant hPDI was isolated from the medium and characterised. Its PDI activity was determined. A yeast HIS23 was transformed by hPDI expression plasmid pAHhPDILyl. The effect of hPDI on HSA expression secretion was examined.(30ppW97DwgNo0/8).</p> <p>J06038771-A</p>